

Garrett Beatty

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EXPERIENCE

Comcast

Philadelphia, PA

Software Engineer

June 2019 – Present

- Developing microservices that support 30,000 technicians in the field, using Java, Spring, MongoDB, MySQL, and Kafka.
- Led multiple engineers and coordinated the development for a Leadership Alerts Portal that allows managers to receive alerts about technicians.
- Reduced deployment time by 95% by migrating CI/CD from GoCD to Concourse. Responsible for developing and improving the team's continuous integration process.
- Developing an iOS testing and release pipeline using Concourse, Appium, and Selenium Grid.

Lockheed Martin

Moorestown, NJ

Software Engineering Intern

June 2018 – August 2018

- Worked on an Agile team to support the development of the Aegis Combat System using Java and C++.
- Automated parts of the build process using Jenkins, Python, and Bash.

The College of New Jersey

Ewing, NJ

Machine Learning Student Researcher

January 2017 – December 2017

- Designed a machine learning and natural language processing infrastructure with a team of 5 students and faculty in Python using machine learning and statistical analysis libraries such as scikit-learn, numpy, pandas, and matplotlib.
- Improved the speed of the infrastructure by 95% by adding support for parallel processing on the HPC.

Comcast

Philadelphia, PA

Software Engineering Intern

June 2016 – August 2016

- Increased the efficiency of the Quality Assurance team by creating a Node.js application that automatically generates unit testing reports, which can be filtered by date, device type, operating system, etc.

TECHNICAL SKILLS

Languages: Java, Python

Familiar: Swift, SQL, C++, Bash, HTML, CSS, Node.js, Javascript

Tools: Kafka, Docker, Vault, Elasticsearch, Logstash, Kibana, Cloud Foundry, Concourse, GoCD, Jenkins, MongoDB, MySQL

Frameworks: Spring Boot, PySpark, Django, Flask, Scikit-Learn, Numpy, Tensorflow, Pandas, Matplotlib, Keras

Domains: Microservices, Devops, Mobile Development, Continuous Integration, Machine Learning

PROJECTS

Android Application – “arXiv Explorer”

Published an Android application with over 11,000 downloads that allows users to browse, search, and download scientific papers from arxiv.org.

PUBLICATIONS

“The Use of Unlabeled Data versus Labeled Data for Stopping Active Learning for Text Classification”

Proceedings of the 2019 IEEE 13th International Conference on Semantic Computing (ICSC), Newport Beach, CA, 2019.

“Impact of Batch Size on Stopping Active Learning for Text Classification”

Proceedings of the 2018 IEEE 12th International Conference on Semantic Computing (ICSC), Laguna Hills, CA, 2018.

EDUCATION

The College of New Jersey

Ewing, NJ

Bachelor of Science, Computer Science

August 2015 – May 2019